WHAT IS CLAIMED IS:

1.   A vehicle state analyzing method, comprising:

a suspension/chassis setting step for setting an optimum suspension/chassis for a vehicle;

a first measuring step for measuring fluctuation or fluctuation rate of a lateral force in the vehicle which is set;

a second measuring step for measuring fluctuation or fluctuation rate of a lateral force in the vehicle thereafter; and

a comparing and computing step for comparing and computing of the measured value obtained at the first measuring step and the measured value obtained at the second measuring step.

2.   The vehicle state analyzing method of claim 1, wherein the fluctuation or the fluctuation rate of the lateral force is measured when normal running of the vehicle.

3.   A vehicle state analyzing system for analyzing state of a vehicle having wheels, comprising:

measuring means, provided in the vehicle, for measuring fluctuation or fluctuation rate of lateral force inputted to the vehicle through the wheel; and

computing means for computing time dependent change of data measured by the measuring means.

4.   A vehicle state analyzing system for analyzing state of a vehicle having wheels, comprising:

a force sensor for detecting input of force from the wheel to the vehicle body;

first memory means for storing information related to output of the force sensor when the vehicle which is set to be an optimum alignment state is run under a predetermined condition as a reference value;

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second memory means for storing information related to output of the force sensor when normal running of the vehicle;

analyzing computation means for monitoring the output of the force sensor, and, on the basis of at least the information stored in the first memory means and the information stored in the second memory means, for analyzing the state of the vehicle; and

information output means for outputting at least one of the information stored in the first memory means, the information stored in the second memory means, and the result of analysis obtained by the analyzing computation means.

5. The vehicle state analyzing system of claim 4, wherein the force sensor is provided in the vehicle,

the first memory means, the second memory means, the analyzing computation means, and the information output means are provided outside the vehicle.

6. A vehicle comprising:

at least the force sensor of claim 4; and

transmission means for transmitting the information obtained from the force sensor to the outside of the vehicle.

7. A vehicle on which the vehicle state analyzing system of claim 4 is mounted.

8. A vehicle comprising:

the vehicle state analyzing system of claim 4; and

display means for displaying the state of the vehicle obtained by the analyzing computation means.

9. A vehicle comprising:

the vehicle state analyzing system of claim 4; and

adjustment means for automatically adjusting alignment of a suspension on the basis of the state of the vehicle analyzed by the analyzing computation means.

10.   A vehicle state management system, comprising:

the vehicle state analyzing system of claim 4; and

a vehicle testing apparatus having a road surface for running which causes the wheels to be rotated, detecting the state of the vehicle from outside, and being capable of storing the state of the vehicle detected from the outside and the state of the vehicle analyzed by the vehicle state analyzing system.